

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Arvydas Janulaitis et al.

Group Art Unit: Unassigned

Application Serial No. (to be assigned)

Examiner: Unassigned

Filed: June 19, 2001

Title: NUCLEASE

\* \* \* \* \*

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. § 1.97 and § 1.98. It should be noted that the above-identified Application claims priority from Application No. 0018120.6, filed July 24, 2000, in Great Britain. A European Search Report was issued with respect to the British application and is submitted herewith for review by the Examiner with copies of the prior art cited therein.

Applicants hereby respectfully request that the accompanying Information Disclosure Statement be considered and made of record in the above-identified Application. This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

Consideration of the enclosed prior art references is respectfully requested. The Examiner is further respectfully requested to return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column.

The examination and allowance of this Application is respectfully requested.

Respectfully submitted,

PILLSBURY WINTHROP L.L.P.

By:



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Date: June 19, 2001

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|-------------------|---------|-------------|
| Atty.<br>Dkt. No. | M#      | Client Ref. |
|                   | 0281177 | 203472/JND  |

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Applicant: Arvydas Janulaitis et al.

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Page 1 of 1

## **U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials* | Document<br>Number | Date<br>MM/YYYY | Name<br>(Family Name of First Inventor) | Class | Sub<br>Class | Filing<br>Date<br>(if appropriate) |
|-------------------------|--------------------|-----------------|---|-------|--------------|------------------------------------|
|                         | AR 5,928,908       | Jul 1999        | Dunn et al.                             |       |              |                                    |
|                         | BR 5,968,786       | Oct 1999        | Dunn et al.                             |       |              |                                    |
|                         | CR                 |                 |   |       |              |                                    |
|                         | DR                 |                 |   |       |              |                                    |
|                         | ER                 |                 |   |       |              |                                    |
|                         | FR                 |                 |   |       |              |                                    |
|                         | GR                 |                 |   |       |              |                                    |
|                         | HR                 |                 |   |       |              |                                    |
|                         | IR                 |                 |   |       |              |                                    |
|                         | JR                 |                 |   |       |              |                                    |

## **FOREIGN PATENT DOCUMENTS**

|  | Document<br>Number | Date<br>MM/YYYY | Country       | Inventor Name   | English<br>Abstract | Translation<br>Readily<br>Available |
|--|--------------------|-----------------|---------------|-----------------|---------------------|-------------------------------------|
|  | KR WO95/09915      | Apr 1995        | International | Eastlake et al. | Enclosed            | No                                  |
|  | LR                 |                 |               |                 | X                   | X                                   |
|  | MR                 |                 |               |                 |                     |                                     |
|  | NR                 |                 |               |                 |                     |                                     |

## **OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

|    |   |  |  |  |
|----|---|--|--|--|
| OR | Giraud-Panis, Marie-Josephe et al. "Near-simultaneous DNA cleavage by the subunits of the junction-resolving enzyme T4 endonuclease VII" The EMBO Journal 16:9 (1997) 2528-2534.  |  |  |  |
| PR | Stahl, Frank et al. "Intra- vs Intersubunit Communication in the Homodimeric Restriction Enzyme EcoRV: Thr 37 and Lys 38 Involved in Indirect Readout are Only Important for the Catalytic Activity of their own Subunit" Biochemistry, Vol. 37 (1998) 5682-5688. |  |  |  |
| QR | Stankevicius, Kornelijus et al. "Cloning and Analysis of the Four Genes Coding for Bpu10I Restriction-Modification Enzymes" Nucleic Acids Research 26:4 (1998) 1084-1091.   |  |  |  |
| RR | Janscak, Paul et al. "Single amino acid substitutions in the HsdR subunit of the type IB restriction enzyme EcoAI uncouple the DNA translocation and DNA cleavage activities of the enzyme" Nucleic Acid Research 27:13 (1999) 2638-2643.                         |  |  |  |
| SR | Davies, Graham et al. "EcoKI with an amino acid substitution in any one of seven DEAD-box motifs has impaired ATPase and endonuclease activities" Nucleic Acids Research 26:21 (1998) 4828-4836.  |  |  |  |
| TR | Degtyarev, Sergey et al. "II-Q restriction endonucleases--new class of type II enzymes" Nucleic Acids Research 18:19 (1990) 5807-5810.  |  |  |  |

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.